

REMARKS

Claims 1, 4, 6-7, 9-10 and 24-28 are pending in this application. Claims 2-3, 5, 8 and 11-23 have been canceled without prejudice to or disclaimer of the underlying subject matter. Claims 1, 4, 6 and 9 have been amended. Claims 24-28 are new. No new matter has been added.

The claims have been amended for clarity and do not require the Examiner to conduct another search. This amendment is filed under and is in compliance with 37 C.F.R. § 1.116. In view of the foregoing amendments and following remarks, Applicant respectfully requests the Examiner to reconsider and withdraw all outstanding grounds of rejection. Applicant respectfully requests allowance of the application.

With respect to the claim rejections under 35 U.S.C. § 112 described in paragraphs 5-7, Applicant has amended claim 9 to correct the antecedent basis problem. As amended, claim 9 now recites “accessing the non-object oriented data using the object oriented model.” Therefore, Applicant respectfully submits that the § 112 rejection with respect to claim 9 has been overcome. Claim 11 has been canceled. Therefore, the § 112 rejection with respect to claim 11 is moot and should be withdrawn.

The pending rejections with respect to the claims are addressed below.

The Office Action rejects under 35 U.S.C. § 102(b) claims 1, 3-6, and 9-11 as being anticipated Applicant’s own disclosure. Claims 7 and 20-23 stand rejected under 35 U.S.C. § 103(a) as being un-patentable over Applicant’s own disclosure in view of Wise, Bowden G. *Casting in C++: Bringing Safety and Smartness to Your Programs* (1196) (hereinafter *Wise*). Claim 23 is rejected under 35 U.S.C. § 103(a) as being un-patentable over Mintz, U.S. Patent No. 6,305,007 (hereinafter *Mintz*) in view of *Wise*, and further in view of Applicant’s own disclosure.

Applicant traverses these rejections.

Applicant has canceled claims 2-3, 5, 8, and 11-23. Therefore, the rejections with respect to the canceled claims are moot and are not addressed in this paper. To the extent that elements of the canceled claims are included in the pending claims, these rejections are addressed below.

“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal*

Bros. v. Union Oil Co. of California, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 Fed. Cir. 1987).

As amended, independent claim 1 recites, among other features, “mapping software residing in memory, wherein the at least one processor executes the mapping software to map an object to an image in memory occupied by the non-object oriented data...wherein the object oriented data inherits the non-object oriented data.”

Applicant respectfully submits that independent claim 1 (as presented) is not anticipated by any prior-art. For example, the cited prior-art does not disclose or suggest “mapping software to map an object to an image in memory occupied by the non-object oriented data...wherein the object oriented data inherits the non-object oriented data,” as claimed. This feature of the invention is neither described in any of the applied references nor admitted to be prior-art by the Applicant. Support for these claim elements can be found at page 4, lines 1 to 21 and page 5, lines 7 to 19, for example.

Therefore, Applicant respectfully submits that independent claim 1 is in condition for allowance over the applied prior-art.

As amended, independent claim 4 recites, among other features,

mapping an object oriented model to an image in memory occupied by the non-object oriented data without requiring additional memory space; and

retrieving a non-object oriented data element from the memory in the object oriented model based on the mapping, wherein the object oriented data inherits the non-object oriented data.

Applicant respectfully submits that the applied prior-art does not disclose or suggest all of the features recited in independent claim 4. For example, the prior-art does not disclose or suggest “mapping an object oriented model to an image in memory occupied by the non-object oriented data...wherein the object oriented data inherits the non-object oriented data,” as claimed. Therefore, claim 4 is in condition for allowance over the applied prior-art.

New independent claim 24 recites, among other features:

mapping a data object representing object oriented data to an image in memory occupied by non-object oriented data represented by legacy C-structure data;

creating a child class based on inheriting the legacy C-structure data by the data object;

accessing the child class by static casting the non-object oriented data represented by the legacy C-structure data with the object oriented data.

Applicant respectfully submits that the prior-art does not disclose or suggest all of the features of new independent claim 24. Therefore, independent claim 24 is in condition for allowance over the applied prior-art.

Claims 6-7 and 9-10 depend from independent claim 4, and new claims 25-28 depend from new independent claim 24. Therefore, claims 6-7, 9-10 and 25-28 are in condition for allowance for the reasons stated above and for the additional features recited therein.

CONCLUSION

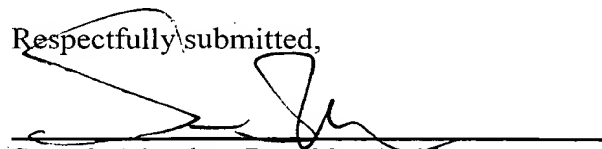
In view of the above amendments and remarks, Applicant believes that all of the objections and rejections against this application have been fully addressed and that the application is now in condition for allowance. Therefore, withdrawal of the outstanding objections and rejections and a notice of allowance for the application are respectfully requested.

It is believed that no extensions of time or fees are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required (including fees for net addition of claims) are hereby authorized to be charged to Hewlett-Packard Development Company's deposit account no. 08-2025.

If the Examiner believes that a personal or telephonic interview would be of value in expediting the prosecution of this application, the Examiner is hereby invited to telephone the undersigned counsel to arrange for such a conference.

Respectfully submitted,

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